

Lecanora

aer 256	Rinodina: Th. crust. uniform.
Eulec 360	Disco atro nudo
Plac 601-654	-atra 378
Placopsis 663-677	-arropholis 456
<i>Incuba</i>	-mrosecha 343 asp
Ochrolechia 675-707	-lainea 31693, 71447
	-275 711 -ostracoderna 495
Lecana 711-717	-crabica 284 asp
Solenopsora 752-756	-multiruncta 286 asp
Haematomm 757-777	-riscontra 31776
Phlyct 777-844	-falcaria 31821
" " 87 88	-metabolica 71527 747
Cand 814	-commutata 4155
	-correctata 419
	*leuconis 684 Ochrolechia
	-verrucosa 357 asp
	-poriden 21561
	-sopholes 71550
	-mixinx
	-colobina 71498
	-milvina 71529
	-fuscocontra 31582
	Disco decolorato glaucescens etc.
	-rucosa 527
	-Villarei 21664
	-Gerronitica 21506
	-oenisia 410
	-elaeocorn 526
	--buntzii 533
	-angulosa 404
	-chondrotypa 500
	-subcarnea 547
	-leptioribella 401
	-litescens 766 Haematomm
	-Hornii 464
	-variolifl 71191
	Disco varie colorato nudo
	-albolla 497
	-parella 687 Ochrolechia
	-tartarea 696
	-Turneri 692
	761 Haematomm
	-Stonci
	-carcolutes
	-excavata
	-excavatula
	-scrupulosa
	-livida
	-porolitis
	-rubelliana
	-detrita
	-opponi
	-varia
	-intricata
	-ocrinaeta
	-anomala
	-trichulosa
	-minutula
	-hypospila
	-spongophaea
	-rubricosa
	-effusa
	-trichelia
	-elatina

Eulec 36

Aspic 5
Ochrolechia 4
Haematomm 6
Placod 13
Placops 1
Solenops 1
Candilar 1



inulipina	7:136
haematomia	760 Haem.
rubra	2:716
corina	7:85
cruspedia	7:66
bryontha	2:34 <i>Chrys.</i>
-subfusca	551
puonica	769 <i>Hae. velutina</i>
-cibryon	564
cyrtaspis	—
-distincta	445
-poliophaea	509
-thallina	453
bella	59 <i>Aca. capito</i>
vittosa	774 <i>Hae. velutina</i>
-sulphurea	576
-orosthen	493
ulicina	7:172
emythrella	7:132
cinnabarinia	7:101
citrina	7:104
vitellina	804 <i>Ca. del.</i>
incrustans	7:7
Psoroma: Th. crust. effig.	
-Ladwigii	4:7
-badia	393
halophaca	56 <i>Placarosp</i>
decimons	3:870
testacea	3:894
placodocarpa	68 <i>Aca. capito</i>
smithii	622 <i>Placard</i>
chrysoleuca	656
rubina	637
crassa	610
riparia	7:700
tribacia	7:894
certilarinea	608 <i>Placard</i>
rutilans	7:297
subdeltaria	7:279
hypnorum	3:271
lepidora	3:271
brunnea	3:251
microphylla	3:214
Placodium: Th. crust. planiusculoin mitu folioso-stellato sublobato	
adscensionis	7:580
epicena	752 <i>Solen. epica</i>
acutiflora	7:580
lentiforma	627 <i>Placard</i>
Lacistema	626
valactina	365 <i>A. apic.</i>
teicholvta	7:186
circinata	649
tricolor	642 <i>Placard</i>
myrthina	652
islamensis	631
collida	665 <i>P. foliif.</i>
aff. colliflora	672
elutina	3:241
polyblina	102 <i>Aca. capito</i>
creutica	103
fricola	634 <i>Pl. card</i>

utrininea 661 *Placod*

luroruri 7/250

iniate 7/252

eleagnis 7/233

chlorophana ~~105~~ ¹⁰⁵ *Acarop*

oxytona 107

callipisma 7/220

fulgens 7/206

Commerce and Finance Library

The Lincoln library of essential information.

Social planning council of Saint Louis; Dept. of social research.	City street index.	310
Social planning council of Saint Louis. Dept of social research.	County street index.	310
Rhodes, E. C.	Elementary statistical methods.	311
Wold, H.	A study in the analysis of stationary time series.	311
Haney, L. H.	Value and distribution.	330
Schumpeter, J. A.	Business cycles. 1st ed. 1939. 2 v.	330
Hadley, Charles R., co., Cly. Co., N. H.	Manual of pathfinder truck cost system. A history of the modern and contemporary Far East.	657
		950

Mechanical & Electrical Engineering Departments

Clayton, A. E.	The performance and design of direct current machines. 2d ed. 1938.	EE
Eddy, M. F.	Aeronautic radio.	EE
Hague, B.	Alternating current bridge methods. 4th ed. 1938.	EE
Reed, H. R.	Electrical engineering experiments.	EE
Whytlaw-Gray, R. W.	Smoke.	ME

Geology Department

Adams, F. D.	The birth and development of the geological sciences.	
Allen, V. T.	This earth of ours.	
Baxter, W. T.	Jewelry, gem cutting, and metalcraft.	
Bowles, O.	The stone industries.	
Casteret, N.	Ten years under the earth.	
Clark, W.	Photography by infrared.	
Emmons, W. H.	Geology; principles and processes.	
English, G. L., comp.	Descriptive list of the new minerals, 1932-1938.	
Fenton, C. L.	Our amazing earth.	
Forbes, A.	Northernmost Labrador, mapped from the air.	
Fryxell, F. M.	The Tetons.	
Hager, D.	Fundamentals of the petroleum industry.	
Huebner, W.	Geology and allied sciences. v.1. 1939.	
James, H.	Romance of the national parks.	
Jefferson, M.	People living the Argentine Pampa. 1939.	
Gutenberg, B., ed.	Internal constitution of the earth. 1st. ed. 1939.	
Landon, C. E.	Industrial geography.	
Lee, W.	Stratigraphic and paleontologic studies of the Pennsylvanian and Permian rocks in north-central Texas.	
Legget, R. F.	Geology and engineering.	
Lobeck, A. K.	Geomorphology.	

	Pannarioid	Didymosporae	Phragmosporae	Dictyosporae
Biatorine				
ECorticate	Leprocollema			
Crustose	Leciophysma	Homotheicum		
foliose				
Corticcate	Korberia			Hydrothelia
foliose	Lemmopsis			Kocrochia
fruticose	Ranalodium			
Lecanorine				
Corticcate				
Sessile	Lempholemma	Dicollema	Synechoblastus	
Immersed	Collomella	Pyrenocollema	Collemodiopsis	
Corticcate above				Pseudoleptogium
Corticcate				
Pseudoparenchym				Homodium
sessile	arnoldella	L. rivale		
immersed			Leptogiopsis	Leptogium
Plectenchymat				
etomentose				Mallotium
tomentose				Leptolobaria
foliose				
fruticose				

crustose — Arnoldella
 Pseudoparenchym — Arnoldella
 foliaceae — Arnoldella
 fruticose — Arnoldella
 sessile — L. rivale
 immersed — Leptogiopsis
 etomentose — Leptogium
 tomentose — Mallotium
 foliose — Leptolobaria
 fruticose —

Scytonema
Stizomenia

Ephedaceae Massalongia Placynthium

Gloeocapsa

Pyrenopsidaceae

Rivularia

Lichenaceae

Nostoc

Collemaceae

"

Pyrenopeltis

Pannariaceae

syphal cortex
carbocortex
Pseudopan

Coccocarpia

Hydrothelia

Lepidocollema

Lepidoleptogium

Hydrothelia

Massalongia

Placynthium

Parmeliella

Pannaria

Physma

Erioderma

Huechia

Huechia

OFFICE OF THE SECRETARY

American Board of Ophthalmology

JOHN GREEN, M. D.

3720 WASHINGTON BOULEVARD
ST. LOUIS, MISSOURI

MISS LEA M. STELZER, Registrar
6830 Waterman Ave. St. Louis, Missouri

August 18, 1938.

Dear Doctor:

The American Board of Ophthalmology will hold an examination at the New York Eye and Ear Infirmary, 218 Second Ave., New York City, Friday, October 7th, at 8:00 A.M. Kindly register promptly at 8:00 A.M. with the Registrar. Your examination will cover the following subjects:

External Diseases -Slit Lamp
Ophthalmoscopy
Histology and Pathology
Anatomy and Embryology
Refraction-Retinoscopy

Muscles-Motility
Perimetry
General Diseases-Neurology
Therapeutics - Operations
Practical Surgery
Optics and Visual Physiology

The examination will occupy the entire day and unfinished subjects may require completion in Washington on Saturday or Sunday. Please bring with you any small instruments such as ophthalmoscope, retinoscope or loupe that you habitually use. The examination in ophthalmic surgery will consist of an oral quiz and surgery on animal eyes. Kindly bring with you instruments necessary for a combined capsulotomy extraction.

In Refraction candidates will be required to show a thorough understanding of the technique of the fogging method, of the use of astigmatic dials in measuring astigmatism, and of the cross-cylinder tests for strength and axis of astigmatism.

A set of microscopic slides illustrating phases of ophthalmic histology and pathology can be obtained through this office upon deposit of \$25.00 which will be refunded upon return of the slides in good condition.

For 1939, the Board announces an examination in St. Louis in the Spring at the time of the meeting of the American Medical Association, and also at the place of the meeting of the American Academy of Ophthalmology and Oto-Laryngology, usually in October.

Kindly fill in attached card and mail to me at once regardless of previous arrangement or correspondence. It is necessary that the Board know immediately the number of candidates who will appear at this examination.

Very truly yours,

John Green
Secretary

IMPORTANT: Please retain this letter for your information.

Pyrenocollema - Venezuela

Leprocollema - Brasil & Caledonia

Hecophysma - Finland

Leptophlemma

Arnoldiella - France

Euleptophlemma Europe Australia St Vincent off Guico

Lepidora Tauric peninsula

Arnoldia Europe N Am

Leptospora Guadeloupe & Dominc C.R Pan perhaps better Pannariace

Collomella N Am

Leptosporis Europe N Am

Physoma - Oceania Chile + Antilles perhaps Pannariace

Homothecum Chile

Collema

Synechoblastus Eur ^{Japan} & trop Asia Mauritius Australia & Am N Am

Collemodiopsis Europe Java Antilles

Blennothallia Europe Antilles N Am trop Am. Tonkin Jap ^{India} Austral

Collemodes Ohio N Afr.

Koerberia Europe

Arctomia N Eur + Siberia

Ramalodium Australia perhaps better in Pannariaceae

Leptogium

Collomodium Eur N Am N Afr. Siberia

Pseudoleptogium Europe

Leptogriopsis Europe S Afr Philippines Guiana

Euleptogium

Homodium Eur Siberia California N Am. W Afr.

Mallotium Chile Europe N Am Trop Am Japan India P.I.

Heptolobaria Chile to Antilles

Aphanopsis Europe

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Secretary

IMPORTANT: Please retain this letter for your information.

Problems ⁱⁿ of the Collemaeae

Morphology

Thalles

cortication
crustose foliose fruticose

Apothecaries

Position

Nate

Nature of parathecium

Spores

geogr' distribution

Temp + altitude

Moisture, ~~city~~ humidity

Moisture more easily humidity

more
logs. Information on our Wm.

Biotower Lecanorine

decide to immerse to decide

Unicellular to Dictyospores

uncellular to bi-cytoplasmic,
from flat to corticated

E corticate to Corticate

plexus by granules to a smooth texture?

smallest hairy? any is the animal.

used to sessile on -

already written to

~~stomachynatous to~~

Ontogeny

~~logomy~~ ~~insect~~ to sessile in lecanorine

inversed to sessile in summer.
P. 100% of *Leptodora pseudopare*

plectenichnites is pseudos

Classification

LEPTOGIUM IN AUSTRALASIA

Spores bilocular, apothecia 0.2-0.7mm Victoria *Homodium?biloculare*

Spores 5-septate, apothecia 1-2.2mm, Philippines *Leptogiopsis pacificum*

Spores muriform

Thallus tomentose below *Mallotium*

Thallus not tomentose below

Thallus isidiose or microphylline

~~Margins crowdedly ciliate, not otherwise isidiose~~



~~Margins densely microphylline lacinulate~~

L. fallax

~~Margins only dentieulate isidiose or fibrillose lacerate~~

~~thallus plicatulo-rugulose~~ *L. laceratum*

Margins and upper surface isidiose

Thallus wrinkled

Wrinkles very fine, longitudinal

✓ *L. caesium trachynum*

Wrinkles reticulate 40-80µ high

✓ *L. propaguliferum*

Thallus not conspicuously wrinkled when dry

✓ *L. pychneoides*

~~*L. fallax f. isidiigerum*~~

✓ *L. consimile*

✓ *L. granulans*

Dendriscoulo umhausense Degel., Ark. Bot. 30:3:28, 1940.
Cornicularia umhausensis Auersw., Hedwigia 8:113, 1869.

✓ *Rhyscia ciliata* v. *erythrocordia* Degel., Ark. Bot. 30:3:70, 1941.
L. obscurata v. *erythrocordia* Tuck., Proc. Amer. Acad. Arts Sci. 4:399, 1860

Pseudoleptogium Willd. = *Leptogium* sect *Homodium*
Leptogium diffractum Kromph. (*Pseudoleptogium* diff. Wd) belongs in *Homodium*
✓ *Leptogium placodiellum* Nyl. " " " "

✓ *Colloma leptoioides* Anzi belongs in *Leptogium* sect *collodium*
Leptogium Marci Harm " " "

Date

Parathecium absent *L diaphanum* C. Rambé

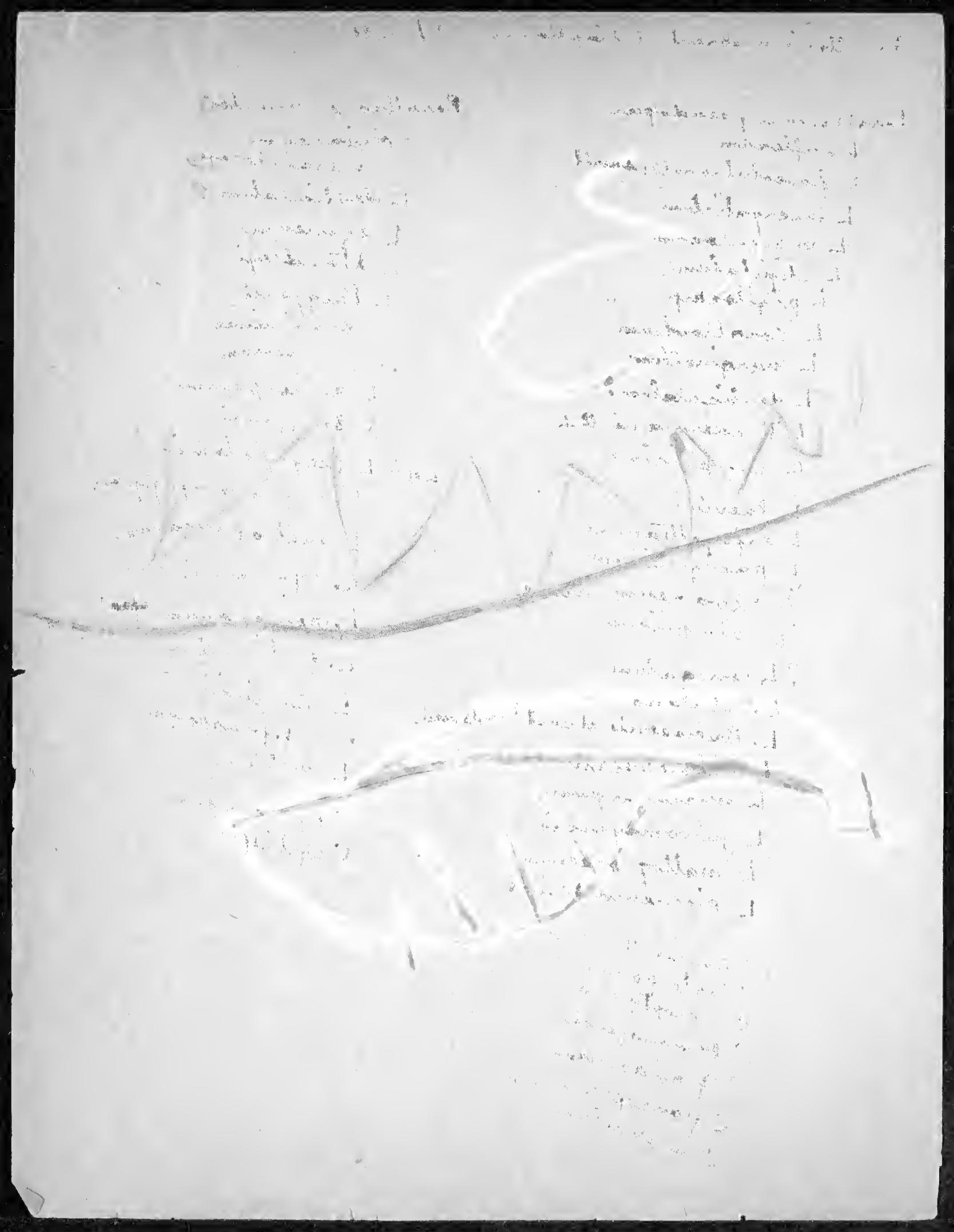
Parathecium pseudopar

- L. inflexum*
- L. foveolatus* cello-small
- L. microstictum*
- L. vesiculosum*
- L. stipitatum*
- L. phyllocaarp*
- L. coralloideum*
- L. marginellum*
- L. denticulatum?*
- L. Tuckermani* thin
- L. simplicius*
- L. laevius*
- L. lafayetteanum*
- L. pachycheilum*
- L. alvaceum* Malme
- L. simplicius*
- ? *L. conchatum*
- L. stellans*
- L. Bribissonis* absent Tax, Brasil.
- L. chloromelum*
- L. microcarpum*
- L. pilcomayensis*
- L. matogrossense*
- L. pichneum* Malme

- C. glaucoptthalmum*
- C. leptosporum*
- C. micropterychum*
- C. paraguayanum*
- C. grandillae*
- C. glaucoptthalmum*
- C. simplicatum*

Parathec filamentous

- L. olivaceum*
- ✓ *granulosum*
- L. denticulatum?*
- L. agnatum*
- L. Standleyi*
- L. Puiggarii*
- L. brasiliense*
- L. pulchellum*
- L. dimorphum*
- L. Schaffneri*
- Lopis *L. megapotamicum*
- L. pichneum* Nyl Japan
- L. australamericanum*
- L. cyanescens* Italy
- L. Maluccanum* ~~Malme~~
- L. denticulatum*
- L. Mengjicui*
- ✓ *fusiforme*
- L. australe.*
- C. pycnocarpum*
- C. cyrtaspis*



1

Leptogium Disphaeum

NEW ENGLAND BOTANICAL CLUB

Heredia: Santo Domingo Del Roble	1600 m	Dodge and V.F. Gaenger	9592
Patzcuaro, Mexico:	1000 m	C.Q. Pringle	225
Porto Rico: Luquillo Mts., El Yunque	—	Derry Wilson	59
Jamaica: Newcastle to Hardware Gap Road	—	A.W. Evans	—
Columbia: Bogota	2600 m	Lindig	2518
Columbia: Dept. Santander	1500-1900 m	E.P. Killip Albert C. Smith	19443

Leptogium Homodium

Panama Canal Zone: Barro Colorado 20-75 m G.W. Martin 4022

Leptogium Corallloidium

Mexico, Orizaba	—	F. Müller	—
Venezuela, Merida	—	C. Rodriguez	153
Heredia: Santo Domingo Del Roble	1600 m	V.F. Gaenger	10521
Guernica: T. Pedro (sterile)	1200 m	S. Pedro	16136
Alayuela: near Fraijanes	—	1500-1700 m P.C. Standley R. Torres	47420
Puntarenas: Rio Terrones	—	1-10 m C.W. Dodge, V.F. Gaenger	10322
San Jose: Rio Paguita	—	1-3 m Dodge, V.F. Gaenger	9723
Puntarenas: Rio Sandalo	—	1-10 m " "	10194
Cartago: La Carpinteria	—	Dodge	3972
Panama: Hills between Capira and Potrero	80-130	Dodge, A.A. Hunter	8956
Panama: Rio Indio Hydrographic Sta.	—	Dodge and P.H. Allen	8912
Columbia: Dept. Antioquia, Medellin	—	W.A. Adracher	660

NEW ENGLAND BOTANICAL CLUB

Leptogium Coralloideum (Cont.)

Columbia, Cordillera:	Dept Santander	2500-2600m	E.P. Killip	19292
Peru:	Dept Ayacucho - Aina	750-1000m	Albert C. Smith	
Brazil:	Porto Alegre, Rio Grande do Sul -		Killip	
Costa Rica:	near Tilarán	500-650m	Smith	2258
"	H. Santamaría	680-780m	Baldwin Rambo	108
"	South of Liberia	100m	Dodge, W.S. Thomas	8018
"	near H. Santamaría	640-680m	Dodge, Thomas	6599
"		"	"	7995
"	Northeast of Tilarán	500-620m	"	6563
Puntarenas:	near Corozal	5-50m	C.W. Dodge	8025
Cartago:	Rio Birris	1220-1340	Dodge, W.S. Thomas	7994
Heredia:	above Santo Domingo del Roble	1600m	V.F. George	10517
Cartago:	Santiago	1140-1180m	C.W. Dodge	8000
Puntarenas:	Rio Sandalo	1-10m	Dodge, V.F. George	10512
San Jose:	Rio Virilla	—	Dodge	7782
De La Palma a la Honduras:		1500-1700m	Mapou, Harvey	7891
Heredia:	above Santo Domingo del Roble	1600m	V.F. George	10583
Panama:	near Alahuela	90-100m	Dodge, Steyermark	8958
Limon:	Finca Tiam	—	P.H. Allen	
San Jose:	near Zapote	1200m	Dodge, V.F. George	9589
			Standley	40273

NEW ENGLAND BOTANICAL CLUB

4

Leptogium Coralloideum (Cont.)

Cartago: Rio Birris 1220-1340 m Dodge, W.S. Thomas 4632

" : Carpintera 1700 m Danielson 101

Alajuela: La Palma de San Ramon 1250 m A.M. Breves 91

San Jose: Rio Paguita 1-3 m Dodge, Goerger 9713

Heredia: Santo Domingo Del Roble 1600 m V.F. Goerger 10567

Guanacaste: H. Santamaría 680-780 m Dodge, Thomas 6776

Puntarenas: Rio Sandalo 1-10 m Dodge, Goerger 10424

Guanacaste: H. Santamaría 640-680 m " Thomas 8002

Puntarenas: Rio Sandalo 1-10 m Dodge, Goerger 10419

" : Rio Terrenes 1-10 m " " 10348

Guanacaste: Tilaran 500-650 m Standley & Valerio 44103

San Jose: between Rio Paguita and Rio Viejo — Dodge, V.F. Goerger 7128

Heredia: Santo Domingo Del Roble 1600 m V.F. Goerger 10490

Guanacaste: near Filares 500-690 m Dodge, W.S. Thomas 6562

Heredia: Santo Domingo del Roble 1600 m V.F. Goerger 10487

Puntarenas: near Corozal 5-50 m Dodge 7529

Leptogium Leptogliopsis

Guanacaste: H. Santamaría 640-680 m Dodge 8032

W.S. Thomas

NEW ENGLAND BOTANICAL CLUB

Leptogium Coralloideum (Cont.)Alajuela: ~~succ Fraijanes~~ 1500-1700m

Viento fresco 1600-1900m Standley, Torres 47771

" : Santiago de San Ramón 1000m A. M. Bremer

" : between Desamparados and Alajuela 920-980 Dodge J. Valerio 7999

Brazil: Cuziba Mato Grosso — G. A. Moline 25v/894

San Jose: north of Turrialba 540-600m Dodge, W. S. Thomas 7481

Puntarenas: Rio Sandoval 1-10m Dodge, V. F. Goerger 10339

Alajuela: Rio Cimela . - 920-980m Dodge, J. Valerio 7921

" : Santiago de San Ramón 1000m A. M. Bremer —

Fuentes: — S. Pedro —

Brazil: Porto Alegre, Rio Grande do Sul — B. Rambo 25

" : Serra dos Palos Cruz Alta — D. A. Moline 2150/893

Columbia: Dept. Santander (sterile) 2500-2700m Killip, A. C. Smith 18902

" " " 2000-2600m 19334

Peru: Dept. Ayacucho 750-1000m 22532

" " " 750-1000m 22570

Chiapas, Chiapas — R. Thaxter

Peru: Dept Ayacucho — Killip and Smith

Costa Rica: Santiago 1140-1180m C. W. Dodge 8001

Honduras: above Santa Domingo Del Roble 1600m V. F. Goerger 10597

NEW ENGLAND BOTANICAL CLUB

Leptogium Stipitatum

Funeses:

S. Pedro

Leptogium Mallotum

Heredia: Santo Domingo Del Roble 1600m Dodge, V.F. Gauger 9640

Chile:

R. Thaxt(3)

" Puerto Arenas Magallans

" "

"

" "

R. Thaxter

Heredia: Santo Domingo Del Roble

1600m

Dodge, V.F. Gauger

9672

Leptogium Papillatum

En Jose: Finca Guayabillos

2250m

" "

9689

~~" Santo Maria de Dota~~

1500-1800m

P.C. Standley

416

Leptogium Saturinum

Peru: Motucana

8000 feet

George S. Bryan

68

Leptogium Mengesii

Peru: Muna

7000 feet

" "

498

" : Mito

9000 feet

Mc.Bride, Featherstone

1913

" : Cuzco "

11000 feet

C. Busc.

921

" "

5000-9000 feet

" "

1520

" : Motucana

8000 feet

George S. Bryan

75

NEW ENGLAND BOTANICAL CLUB

6

Leptogium Aphyllum

San Jose: Sta. Maria de Dota	1800 m	P.C. Standley	42899
" " : Cerro de las Vueltas	2900-3000 m	P.C. Standley J. Valerio	43823 a
Cartago: near Finca del Volcán de Turrialba	2000-2800 m	P.C. Standley	35174
Columbia: Dept. Santander	3800-4100 m	E.P. Killip	
Peru: Mito	9000 feet	Albert Smith	18592
" : Cuzco	1700 m	Gen. S. Bryan	286
San Jose: Zarcia	2000-2500 m	C. Bues	1589
<u>Leptogium Simplexius</u>		Standley, J. Valerio	48292
San Jose: near Finca Santana	—	Dodge, R.E. George	10455
Guatemala: S. Pedro	1200 m	—	—
" "	1200 m	—	—
Uruguay: Dept Treinta y Tres	20 m	W.G. Farter	88210
Guatemala: near Liberia	100 m	Dodge, A. Alvaro, W.S. Thomas	6586
" : Near H. Santamaria	640-680 m	Dodge, W.S. Thomas	8029
" " " "	640-680 m	" "	—
San Jose: Rio Papita	1-3 m	Dodge, R.E. George	9680
Alojuela: along Rio Arinda	920-980 m	Dodge, J. Valerio	4894
Columbia: Dept. Santander	3000 m	Killip, A.C. Smith	19543

NEW ENGLAND BOTANICAL CLUB

Leptogium Pictum

Limon: Finca Castilla 30m Dodge, V.F. Gaeger 10595

" " " 30m " " " 10595

" " " 30m " " " 9371

Paraguay: Colonia Riso — D. A. Malone 1325

Puntarenas: above Quebrada Finca 10-30m Dodge, V.F. Gaeger 10284

Brazil: Porto Alegre, Rio Grande do Sul — B. Rumbi 14

Leptogium Marginellum

Limon: near Finca Castilla 30m Dodge, V.F. Gaeger 9356

" " " 30m " " 9786

San Jose: between Rio Pequita and Rio Vago —

Panama: Los Escudos — Dodge, A.A. Hunter 8822

Alajuela: San Pedro de Ramon 700m Albert M. Barnes —

Puntarenas: Rio Turrone 1-10m Dodge, V.F. Gaeger 10327

" : Rio Sandalo 1-10m " " 10538

Panama: mid between Panama & Chico — Dodge, A.A. Hunter, J.A. Steyermark, P.H. Allen 8663

" : between Capira & Potos 80-130m Dodge, A.A. Hunter 8957

Galapagos Islands: Indefatigable Is — H. K. Thunson 2304

Brazil: Ilha Catharina — J. Rick —

" : Rio de Janeiro — D. A. Malone 1296

8

NEW ENGLAND BOTANICAL CLUB

Lept. Marguelatum (cont.)

San Juan: Bethania	—	N.L. Britton, J.A. Shaper	276
San Jose:	1000-1100 m	Dodge	4305
Cartago: near the F. V de Turrialba	2000-2400 m	P.C. Standley	3486
" : Rio Birris	1220-1340	Dodge, W.S. Thomas	802a
" " "	1220-1340	"	7971
Guatemala: H. Santamaría	680-780 m	"	6901
" : near Tilaran	500-600 m	Standley, Valenz	44430
Uruguay: Maldonado	100-400 m	Dodge	7281
<u>Leptogium Vesciculosum</u>			
Puntarenas: R. Sausalito	1-10 m	Dodge, W.F. Gager	10536
Heredia: Santo Domingo del Roble	1600 m	W.F. Gager	10501
" " " " "	1600 m	Dodge	10447
Panama: near Vigia on San Juan	66 m	Dodge, Steyermark	8554
" : between Panama and Chiriquí	—	P.H. Allen	
Columbia: Dept. Santander	2500-2600 m	" " " Hunter	8577
" : Colegio de Ntra. de los Andes	—	Killip, Smith	19292
Peru: Dept. Ayacucho	1500 m	Rydel.	54
" " "	750-1000 m	Killip, Smith	22400
" " "	—	" "	22532

NEW ENGLAND BOTANICAL CLUB

Leptogium Foncolatum

Panama: Rio Indio	70-80m	Dodge, P.H. Allen	8855
" : between Boquete and Volcan	2000-2200m	Gott. Martin	9240
" : along banks of Quebrada la Palma	70-80m	Dodge, P.H. Allen	8961
Peru: Dept. Ayacucho:	750-1000m	Killip, A.C. Smith	22575
San Jose: between Rio Paquita & Rio Viejo	—	Dodge, V.F. Gaerger	10533

Leptogium Macrostictum

Palmeque	—	Liebmam	7428
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Leptogium Olivaceum

Panama: Rio Indio	70-80m	Dodge, P.H. Allen	8960
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San Jose: Rio Virilla	—	Dodge	8030
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Leptogium Denticulatum	—	Dodge	
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La. New Orleans

British Honduras: Punta Gorda	—	J.V. White	1
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Cartago: Arro Carpintera	1350-1500	Dodge, V.F. Gaerger	10581
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San Jose: between Rio Paquita & R. Viejo	—	"	9818
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" : Finca Guayabillas	2250m	"	10710
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Limon: Finca Costilla	30m	Dodge, V.F. Gaerger	9183
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Heredes: Santo Domingo del Roble	1600m	Dodge, V.F. Gaerger	9588
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" " " "	1600m	V.F. Gaerger	10539
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" " " "	1600m	Dodge	9606
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NEW ENGLAND BOTANICAL CLUB

Leptogium Intercalatum (Cont.)

Puntarenas: R. Terrenes 1-10m Dodge, V.F. Goeger 10316

" " 1-10m " 10330

Panama: Rio Indio — J.A. Steyermark, P.H. Allen 8901

" Barro Colorado Island 120m P.C. Standley 40803

" " " " — Dodge — 3769

" " " " — " 3890

Guatemala: Dept. Izabal 15-225m P.C. Standley 24468

Leptogium Austroamericanum

San Jose: between R. Papita & R. Viejo — Dodge, V.F. Goeger 9798

" " R. Papita 1-3m " 9731

" " " 5-50m " " 9833

" " between R. Papita & R. Viejo — " " 9797

Heredia: Santo Domingo del Río 1600m " " 9589

" " " " " 1600m Dodge 10671

" " " " " 1600m Dodge, Goeger 9678

Puntarenas: Rio Daniels 1-10m " " 10402

" " " " 1-10m " " 10179

Panama: Colon, Tumba Vieja 90-100m Dodge 8689

" : Quebrada Bonita 70-80m Dodge, P.H. Allen 8815

NEW ENGLAND BOTANICAL CLUB

Lept. *Astroamericanum* (Cont.)

Panama: Quebrada la Palma	70-80 m	Dodge, P.H. Allen	8889
" Quebrada Ancha	70 m	Dodge, J.A. Steyermark	8963
" Quebrada la Palma	70-80 m	Dodge, P.H. Allen	8891
" near Vigia and San Juan	66 m	Dodge, Steyermark, Allen	8549
" Quebrada Bonita	70-80 m	Dodge, P.H. Allen	8877
" Quebrada Fea	70-100 m	Dodge, P.H. Allen	8895
" R. Indio	70-80 m	"	8849
" between Panamá & Chopo	-	Dodge, Hunt, Steyermark, Allen	8962
" Quebrada Tranquila	70-80 m	Dodge, Allen	8885
" R. Indio	70-100 m	"	8937
"	70 80 m	"	8856

Galapagos Islands: Indefatigable Is. 2000 feet H. K. Denslow 2029

Columbia: Colegio de Ntra. Señora de los Andes - Azael 63

Leptogium Azureum

Cuba: Monte Verde -

C. Wright

11

British Honduras: Cockscomb mts.

W. A. Schupps

5118

Nicaragua: Georgetown -

C. Wright

NEW ENGLAND BOTANICAL CLUB

Leptogium Agureum (Cont.)

<u>Leptogium Agureum</u>				
Simon: Finca Castilla	30m	Dodge, V.F. Gaeger	9303	
" " "	30m	"	9159	
" " "	30m	"	9365	
" Livingston Farm	80-100m	Dodge, Geo. Catt, Thomas	5573	
" Castilla Farm	20m	Dodge, Neumann	9209	
" Caspiles	300-500m	P. C. Standley	37137	
Turrialba	-	A. S. Aersted	-	
San Jose: Rio Paguita	1-3m	C.W. Dodge, V.F. Gaeger	9753	
" " " "	1-3m	" "	9758	
" " " "	-	" "	9792	
Cartago La Carpintera	-	Dodge	3987	
<u>Isla Coco</u>	-	<u>Snodgrass</u>		
Fuenses: S. Pedro	1200m	<u>Heller</u>		
Puntarenas: Rio Sandalo	1-10m	Dodge, V.F. Gaeger	9944	
Limon: Finca Homburg	25m	" "	9545	
Puntarenas: Rio Sandalo	1-10m	" "	10546	
" "	1-10m	" "	10044	

NEW ENGLAND BOTANICAL CLUB

13

Leptogium Gireum (cont.)

Panama: Barro Colorado Is.	—	Dodge	3805
" " "	—	"	3734
" " "	—	"	3853
" " "	—	Dodge, C.E. Woodward	3838
" Quibrada Acelia	70-75m	Dodge, Allen	8801
" United Fruit Co. Farm 6	—	Dodge, V.L. Permar	4131
" Tumba Vieja	90-200m	Dodge, Steyermark	38777
" Quibrada Tranquila	70-80m	P.H. Allen	
" R. Indio	70-80m	Dodge, Allen	8884
" near Chepo	— 30m	Dodge, Allen	8850
Columbia: Dept. Santander	— 3200m	Jorge Bordon	10588
" " "	3300m - 3600m	Killip, A.C. Smith	18840a
" " "	3300m - 3600m	"	17804
" " "	2000-2600 m	"	19328
Peru: Dept. Loreto	100m	G. Klug	8302
Brazil: Sta. Catharina	—	J. Rick	—
Brazil: São Paulo	—	L.B. Smith, M. Kuhlmann	No. C 1097
" " "	0-50m	L.B. Smith	No. C 1137
" Rio Grande do Sul	—	J. Rick	—

NEW ENGLAND BOTANICAL CLUB

Leptogium Azureum (cont.)

Corral, Chile

—

R. Thaxter
S.W. D.

6645

32

F8813

Uruguay: Trenta y Tres 20m

" Dodge

Danby-Pawlet line

— Dodge, P.H. Snyder

707

Vermont, Sels - east of Lake St. Pierrre - Dodge

Minn. Kettle Falls

B.F.

—

Leptogium tremelloides

Vermont, Pawlet

— Dodge

—

" : Danby, Beaverbrook

Dodge

1851

Rising Lake City

— B.F.

Leptogium chloromelum

Nicaragua: Georgetown

— C. Wright

—

Leptogium Tuckermanii

Peru: Dept. Ayacucho

1000m Killip, Smith 22805

" " "

3200m " " 23260

" " "

750-1000m " " 22788

Cuba: Monte Verde

— C. Wright 15

Jamaica: Catherine Peak

3000'

V. H. Faull

—

Columbia: Dept. Santander

2000-2600m Killip
A.C. Smith 19332

NEW ENGLAND BOTANICAL CLUB

Leptogium Tuckermanii (cont.)

San José: Finca Guagabillar 2250m Dodge, V.F. Gauger 10569

Cartago: C. Corpiantesa 1350-1500m " " 10534

Puntarenas: Río Terrones 1-10m Dodge, Gauges 10324

Heredia: Santo Domingo del Roble 1600m Dodge 10686

" : " " " 1600m V.F. Gauger 10505

" " " " " 1600m " 10492

" " " " " 1600m " 10513

Panama: Balboa — Dodge, Hunt, Steyermark 8669

" : R. Indio 70-80m Allen 8857

Leptogium Agurellum

Rapa Ss: Mt. Ruatara 80m F.R. Fosberg —

Mangareva S: 180m H. St. John 14518

Austral Islands: Raivavae, R. Rouge 60m H. St. John, Fosberg 15977

Rapa: Mt. Ruatara 80m F.R. Fosberg 11459a

Lanai: — C.N. Forbes 4192

Leptogium Brebissonii

Brazil: Mato Grosso — G.L. Malme 2645

Lept. Chloronema

Brazil: Mato Grosso — G.L. Malme 2891

NEW ENGLAND BOTANICAL CLUB

Septodium Crispulum

Pitcairn Is.: Parlor Valley Ridge 250m H. St. John 14988

Rapa: Ahurei Bay 5m F.R. Fosberg, E.C. Zimmerman 16405

Maui: Honokahau Drainage Basin — C. V. Forbes 52511
Lept. Cyanoescens

Quebec: Ste. Anne — Ernest Lepage 121

Lept. Dimertens

Philippine Islands: Luzon S. — A.D. E. Elmer 15106

" " " " — : " 15106 a

Lept. Dimorphum

Jamaica: Newcastle to Hardware Gap — A.M. Evans 1567

Lept.

Haiti: Mt. Paiborau 3000 feet W.S. Thomas 45 a

Lept. Javanicum

Mangareva Islands: Akamaru Is 10m H. St. John 14919

Lept. Juniperinum

Tenn. Lookout Mt. — Alkinis 49

Peru: El Alto Domingo del Roble 1600m Dodge 10642

Lept. Lalvini

San Jose: Finca Guayabillos 2250m Dodge, Goeger 225
 10531

NEW ENGLAND BOTANICAL CLUB

Lept. Euleptognum

Kauai: — C. N. Forbes 1458 K
 " " " 1233 K

Maui: Honokahan Draining Basin — " 516 M

Lept. Moluccanum

Oahu — " 1883.0

Repub: Mt. Ruatara 80m F.R. Fosberg 11459

" " " 80m

Lept. Tremelloides

Brazil: Pois Negre, Rio Grande do Sul — Baldwin Rambo 107

Lept. Pulchellum

Tenn. Lookout Mt. — W. W. Atkiss 49

Ok. Rich Mt. — R.E. Woodson

Lept. Tremelloides

Costa Rica: Tariolva — A. S. Berstet —

San Jose

1130m P. C. Standley 41233

Cortago: Orosi

— " 3979

San Jose: Jr. Honduras

1300-1700m " 3787

NEW ENGLAND BOTANICAL CLUB

Lept. Standleyi

Santo Domingo: Hato Mayor	200 ft.	u. s. Thomas 31
Panama: R. Chagres	66m	Stegemann, Allen 8697
" : Luebrada Bonita	70-80m	Dodge, P. Allen 8959
Vereda : Chahuites	1900m	Gaeger 10633
Cortago: P. Carpintero	1350-1500m	Dodge
San Jose: finca Guayalillos	2250m	Gaeger 10583
Corral Chile:	—	Dodge Gaeger 10498
Chile Concepcion	—	R. Thaxter 6647
Columbia: Colegio de Ntra. Señora de los Dolores	—	63

Lept. Subheteromericum

Maui: Honokahau Drainage Basin	—	C. N. Forbes 5304
" " "	—	" 5291

Lept. Tremelloides

S. Africa: Simonstown	—	C. Wright 3.10.3
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OBSERVATIONS ON TROPICAL AMERICAN AND OTHER LICHENS. I.

CARROLL W. DODGE

Mycologist and Professor in the Henry Shaw School of Botany of
Washington University

In connection with my lichen flora of Costa Rica¹

1 Dodge, C.W. The foliose and fruticose lichens of Costa Rica [I].

Ann. Mo. Bot. Gard. : - . 1 map. 193 ; II. Stictaceae and
Peltigeraceae. Ibid. : - . 1939.

I have studied many specimens from other parts of the world, mostly the American tropics. To discuss them adequately in that work would increase its size without greatly increasing its usefulness to the Costa Rican student; therefore it is proposed to include such observations in this series, rather than holding them ^{indefinitely} in manuscript until sufficient have accumulated to justify a monograph of a family or a flora of a region.

Collemataceae

Macronesia + Polynesia Usnea

Eumetria
implicata (Sttr.) f. *Melanosticta* Hawaii
trullifera Nyl. Tahiti

Eusonea

Forata Usnea ^{U. forata} f. ^{U. forata} ^{U. forata}

articulata

Barbata

Setulosa

Densirostris

Uglomerosa Mot 315 Hawaii

U. diademensis Vain Tahiti

Rubrigueae

U. spilota Sttr. Hawaii

Elongatae

Ceratinae

gigantea

longissima

Stramineae

americana

Eustramineae ^{not}

lactabilis Marguerre, Isl

fantauensis Vain. Tahiti

medifica Tayl. Loyalty Isl.

sociabilis Vain. Tahiti

grandis Mot. Tahiti

straminea Ma Tahiti Samoa

intercalaris Kremph. Fiji Samoa Tahiti

expansans Mot. Loyalty

Indicatae

Pycnochlaeae Mot

U. hawaiiensis Hawaii

v. sensitiva Mot

Scabridae

Ciliiferae

australis F. Hawaii

fuscomarginata Mot. Tahiti

Xanthopogonae

Osseolencae

lutea Mot. Hawaii

osseolenta Hawaii ^{Mot}

entomolata Mot. Hawaii

macrocarpa Mot. Tahiti

Dendriticae

Cladocarpae

pruinaea Mot. Hawaii

Rockii f. Hawaii

altissimulans ^{large} [?]

Laevigatae

omphalodes

Roccellinae

Born. 1753 in compaction

plana
lanceolata
lanceolata
lanceolata

Since the current advertisement (enclosed) outlines the situation in some detail, I shall not attempt to cover it in this letter. However, I believe you will agree that the railroads of this country need the services of "a new and efficient sleeping car operating company that can, and will buy sleeping cars competitively in quantity and service them economically." Otherwise, the average sleeping car passenger will have a slim prospect for a comfortable ride in a car equipped with modern conveniences and improvements.

It has often been demonstrated that the public can have anything it wants -- if it makes its position clear. The public certainly did make its position clear on through sleeping car service and the Black Market in Pullman space.

We hope and believe the public will be equally clear in its demand for modern sleeping cars at reasonable cost for all railroads that need them.

Your newspaper editor, I am sure, will be as interested as I will be in any comments or suggestions that you may care to offer.

Very truly yours,

Robert R. Young

July 12 Pongo de Quime Bolivia also July 3 13000 ft
Aug 14 Ipurana Bolivia
Sept 9 Covendo 2500 ft Bolivia
Sept 28 Inquisivi 2500 ft Bolivia
Sept 12 Tumupasa 1000-1500 ft Bolivia

FEBRUARY 16 to FEBRUARY 22, 1947

SUNDAY - FEBRUARY 16

4:30 PM STUDENT VESPER SERVICES: Rev. William J. McCracken, Emmanuel Episcopal Church, "The Rock and the Sand" - Graham Memorial Chapel

MONDAY - FEBRUARY 17

9 AM - 5 PM EXHIBITION: "If you Want to Build a House" - Givens Hall Exhibition Gallery (open week days thru March 3)

8 PM LECTURE: Chancellor Compton, "UNESCO Conference"; Sponsored by the A.V.C. - Graham Memorial Chapel

TUESDAY - FEBRUARY 18

4 PM "ENGINEER IN TRAINING" LECTURE: Mr. C. G. Roush, President, Missouri Society of Professional Engineers, "The Engineers' Place in and Responsibilities to Society" - Brown Hall Auditorium

8:15 PM WASHINGTON UNIVERSITY ASSOCIATION LECTURE: Billy Bryant, "Forty Years of Showboating" - Soldan High School. Admission by subscription.

WEDNESDAY - FEBRUARY 19

4 PM PHYSICS DEPARTMENT COLLOQUIUM: Dr. James F. Nolan, "Protective Measures Against Dangerous Radiations" - Crow Hall 101

8:15 PM ILLUSTRATED LECTURE: Dr. Chas. H. Morgan, of Amherst College, "Corinth, City of Aphrodite"; sponsored by the Archaeological Institute of America, St. Louis Society - Givens Hall 116

THURSDAY - FEBRUARY 20

8 PM WASHINGTON UNIVERSITY ALUMNI BIRTHDAY PARTY: Chancellor Compton, Director of Athletics Blair Gullion, Quad Club, the University Chorus; for all Alumni, Students and Faculty - Field House

FRIDAY - FEBRUARY 21

9 PM GOLD-DIGGERS BALL: Sponsored by Mortar Board - Field House; Admission, \$1.25

SATURDAY - FEBRUARY 22

HOLIDAY - Washington's Birthday

COMING EVENTS

February 23 VESPER SERVICES: Commemorating the 94th Anniversary of the Founding of Washington University; Vice Chancellor Charles Belknap - Graham Memorial Chapel; 4:30 PM

February 28 GERMAN REALISM FILM: Showing of one film, 1927 (Silent) - Brown Hall Auditorium; 8:15 PM. Admission by subscription.

Events listed are open to the general public and free of charge, unless the notice indicates otherwise.

True Mary Land Mosses

Ceratodon purpureum (L.) Brid. forma (near *C. grossus*) Card Bull
Herb Boss II 6:14.

Sarcodoniscum glaciale (Hf. W.) Card + Bryhn Marie Byrd L Victoria
Cockburn.

Grimmia fastigata Card Bull Herb Boss II 5:1003.

" *stolonifera* C. Mull. very close to Kerguelen pl but differs...
Bryum antarcticum Hf. W. formae Cockburn

Bryum antarcticum Card M. Byrd L. Graham L

gerlachei "

filicaule Broth.

Inconnexum Card } probably forms of some sp
[*algens* Card but not seen from Q Mary L.
[*diploei* M. Byrd L

Barbula - *Byrdii* M. Byrd L.

WASHINGTON UNIVERSITY

December 2, 1942

A meeting of the Faculty of the School of Graduate Studies will be held on Wednesday, December 9, 1942 in room 228, Robert S. Brookings Hall, at 4 o'clock.

To facilitate taking attendance please leave your name with my assistant who will be stationed at the entrance to the room.

G. W. Hanke
Secretary

18X1
12.5
12.8
10.0
12.5
2.25.

Co-ciferaceae-Straminello-Flavidae

Podetia typically with cups, grossly verruculose or squamulose K+

Carrib. Isl. Island C. subclitellata

Podetia short, tips with cups or obtuse, esorediate, typically squamulose, K-

Thallus of elongate squamules, Reunion C. incognitis

Thallus of smaller squamules, podetia yellow or yellow fluorescent, Australasia C. firma

Ochropeltiaceae

Uncialae

Podetia conipellucid between cuttaway verruculae Reunion C. peltasta

Podetia impellucid

Chondroid axis well developed, without cups, dichotomous, cortex subcontinuous or tremolate dispersed, axils closed

Spermatogonial gel hyaline, axils closed

C. medusina

Spermatogonial gel red

Primary thallus porcistence, podetia 0.7-1.0 mm thick, lower axils porciform, upper closed

C. capitellata interrasum

Primary thallus evanescent, podetia scarcely 0.8mm axils closed C. euthoclada

Chondroid axis lacking, obsoletely scyphiferous, corticate Reunion C. candelabrum

Chasmariaceae-Microphyllae, axils open

K yellow

Podetia squamose or atypically and sparingly squamulose, scyphiferous, polychotomous or more or less dichotomous C. subsubulata

Podetia squamose, rarely only granulose, decorticate, rarely scyphiferous

Primary squamule small, evanescent

C. subsquamosa

V. villosa radula

Primary squamule thick with broad lobes V. phleophora mag.

C. rigidula

K-

Neither axils nor tips dilated open, podetia short C. schisopora

axils or tips dilated, open decorticate

C. squamosa

granulose decorticate scyphiferous almost squamulose racilenta
not granulose scyphiferous tips gradually attenuate duriventosa
squamose & squamulose

Cladaceae

Polystelidiae

Holopodium

Podetia corticate

Chondroid axis not fibrous whole or moderately lacunate, cavity K irregularly sulfurous, branched, cortex verruculose, almost squamulose C. intermedia

Chondroid axis lacunate and fibrous ca

Partly sterile wavy or less granulose, irregularly branched, K slight yellow C. georgelandica

Podetia terminated by apothecia, squamulose, simple or faintly branched, K- C. enantia

while his figure of the crossection of a cephalodium suggests the cerebriform type.

Zhalbruckner tried to reconcile the literature without a critical study of material of either species, resulting in misstatements such as citing A. megalospora from Kerguelen rather than from Campbell Island and stating that the eight small spores coalesce to form a degenerate brown mass.

Fortunately the type of Stereocaulon Argus Tavl. and a duplicate of the type collection of S. cymosum Crombie are present and fruiting in the Taylor Herbarium at the Boston Society of Natural History. The former specimen agrees with Th. Fries' description of Argopsis, the second with the description of A. Friesiana Müll. Arg. Both are similar in podetial characters and cephalodia to Stereocaulon ramulosum.

S. Argus has a hyaline parathecium and hypothecium, asci apparently not more than 2-spored, of which one early degenerates, leaving a single large muriform spore very similar to those of Lopadium, remaining hyaline until late, then becoming slightly yellowish brown, not the deep brown muriform spore of Rhizocarpon. S. cymosum has a brownish parathecium (not carbonaceous in the apothecium sectioned), asci 4-8-spored; ascospores with three transverse septa and an occasional longitudinal or oblique septum, producing a few-celled muriform spore similar to those in Collema sect. Blennithallia. Were it not for the extreme form of S. Argus, there is little to distinguish S. cymosum from Stereocaulon where the sterile material was referred. Until more information is available, it is largely a matter of individual opinion whether the generic limits should be circumscribed to include only S. Argus or enlarged to include S. cymosum. I have adopted the latter course. Both species seem to be endemic to small areas, but it is possible that they have been referred to some variety of S. ramulosum.

25

Podetia decorticate, *othnia* concolorate, K. yellow
Podetia squarulose or isidioïd squarulose or granulose
 coriaceous C. squarulosa
Podetia granulose to isidioïd granulose
 C. granulosa C. clementula

Tbadostelides

Podetia whitish at
 base turning
 between areoles partly
 degenerans
 Not proliferating from center of cups
Podetia elongate corticate
 - *Podetia* sparsely granulose variegata
not granulose C. trichilia
granulose variegata C. implexiliana
Podetia sorciolate above, cortex subcontinuous
 subarcolate C. cornuta
 exacientior
Podetia short when corticate or decorticate sorciolate
Podetia scyphiferous, curv. commonly broad and
 dilated from the lower part of podetia, corticate
 toward the base short, ~~thin~~ by esquamulose
 grossly granulose sorciolate C. pyridata
Podetia semicellucid v. costata
Podetia imbellucid v. chloro baqa

Primary thallus of thicker squarules, podetia long or short,
 with or without cups, medium or n gross abruptly
 dilated from upper part of podetia, wholly decorticate
 esquamulose or rarely lower part corticate, walls
 moderately thickened. C. fibrilata

Podetia imbellucid v. ~~imbellicula~~ *imbellicula*
 K yellowing, short or moderate, scyphiferous or
 minutely scyphiferous, granulose with isidioïd
 squarules and squamulose, wholly decorticate or
 slightly corticate at base v. *subspeciosa*
 v. *Borbonica*

K-
Podetia scyphous, tips quite narrowly subulate
 decorticate dispersed, sorciolate, squarules
 isidioïd and squamulose with granulate margin
 squamulose at base; s. v. *subspeciosa*
Podetia semicellucid, wholly decorticate and sorciolate
 or sorzia finally disappearing, without
 squarules or with squamulose base
 scyphiferous, proliferous v. *cladophoroides*
 sub simple v. *cladophoroides*
 Proliferous
 Sterile proliferations scyphiferous
 f. subprolifera
 Sterile proliferations acyphous or some
 abortive scyphiferous

Primary squam of *thunbergianum*

Primary squam large podetia 10-15 mm
 cups medium to quite large verruculose
 corticate a little handulent subglaucous
 or tips crowded squamose up whitish flesh
 color. - *Lanceolata* >

Proliferating from center of cup, decorticate, partly mucoid
 corticate

Primary squamule large, thick, podetia 35-40 mm with few large
 squarules C. centropora

Primary squamule smaller, podetia 35-40 mm perh. also 20-30 mm
 more or less squamulose

Ochroloma podetia + sorciolate short 3-15 mm acyphous simple - C. *annulifera*

without microscopic examination in other herbaria.

Argopsis Argus (Hook. f. & Tayl.) Dodge, comb. nov.

Stereocaulon Argus Hook. f. & Tayl., London Jour. Bot. 3:653. 1844;
Cryptog. Antarct. 84. 1845; Fl. Antarct. : . 184

Argopsis megalospora Th. Fr., Nova Acta R. Soc. Sci. Upsal. III.
2:325. 1858.

Type: Campbell Island, on rocks on mountains, J. D. Hooker (Voy. Erebus & Terror in Taylor Herb. at Boston Soc. Nat. Hist. Type of A. megalospora based on a duplicate of this collection in Upsala. The sheet marked "Stereocaulon Argus Tayl." contains four plants glued to the sheet. When they were studied by Müller Argau in 1887, he lettered the plants "a" and "b" and annotated the sheet: a. Argopsis megalospora Th. Fr.; b. Stereocaulon ramulosum v. macrocarpum Bab. Nyl. The following description is based on the two individuals marked a by Müller Argau. The confusion is not surprising as the specimens resemble each other very closely in macroscopic characters, having the same type of branching and phyllocladia. The primary branches of Argopsis are somewhat flattened, the cephalodia are much less conspicuous and darker in colour, the exciple is verrucose and the disc tends to remain flatter: all characters which would have been considered trivial in Taylor's time. Taylor, however, mentions all these characters in his description although all his specimens do not show them.

Thallus 4-5 cm. tall, branching near the base, closely dichotomous, appearing sympodial, base 2.5 mm in diameter, somewhat flattened and obscurely striate sulcate longitudinally; decorticate, smooth, secondary branches more terete, verrucose, the verrucae passing into short, terete obtuse phyllocladia, cortex dull and peeling off, leaving a slightly tomentose surface; cephalodia not abundant, small, cerebriform, of the Stereocaulon ramulosum type.

Del nom Krup. Bourbon
C Bonyana for pl of S hemisphere semipellucid way.
Scyphiferae
1 Chondroidea S Afr.
2 chlorophaeoides S Amer + Fuega.

2a subprolifera Brasil Cuba Bermude cups prolif.

3 ga acuminata NZ + Brasil (Muras)

4 f minor St. Kildae hebescens Bermude

5 costata Cramb non Flea Kerguelen

6 intermedia Del similar Bonyana but smaller Borbonica

2. Bonyana Cap Horn + Nicaragua

Ascypha

Balfourii Rodriguez

cornigera R de Jenev.

n ochroleuca Muras

ustulata Falklands

acuta Islands of Pacific

imperforatus Tasmania impellucid! perhaps borbonica

tenella West Afr.

Bonyana Krup. Hawaii

Borbonica not clearly semipellucid.

subspeciosa NZ + Chile ascyp.

recta NZ

macella NZ

1894.

C Bonyana Del Ap Wain 1894

C Bonyana Nyl Ap Wain 1894 nom nud.

Chondroidea S Afr 1894

intermedia Bourbon 1894

costata Cramb Kerg 1876 nom nud 1894

f minor Krup. 1870 nom itag.

subradiata NZ 1894

chlorophaeoides 1887 nom nud 1894 Sierra del Riego.

subprolifera 1894 Irapam

hebescens 1877 Bermude

borbonica V. Bonyana 1877

W A S H I N G T O N U N I V E R S I T Y

Office of the Dean
College of Liberal Arts

November 11, 1942.

TO ALL MEMBERS OF THE CORPS OF INSTRUCTION
COLLEGE OF LIBERAL ARTS

Representatives of the Joint Army-Navy-Marine Corps-Coast Guard College Procurement Committee will be on our campus on Monday, Tuesday, and Wednesday, November 16, 17, and 18, to discuss with men students the provisions of the College Enlistment Plans.

On Monday morning, November 16, all men students on the campus will be required to attend assemblies in Brown Hall Auditorium in accordance with the following schedule:

9:00 a.m. - College of Liberal Arts and University College

10:00 a.m. - School of Business and Public Administration,
School of Law, and School of Fine Arts

11:00 a.m. - Schools of Engineering and Architecture

On Monday morning, November 16, all women in nine o'clock classes in the College of Liberal Arts and in University College will meet in the Court Room in January Hall. Dean Starbird will discuss the conference held at Northwestern University, on November 13 and 14, for the purpose of formulating training programs that will best fit college women for participation in our war effort.

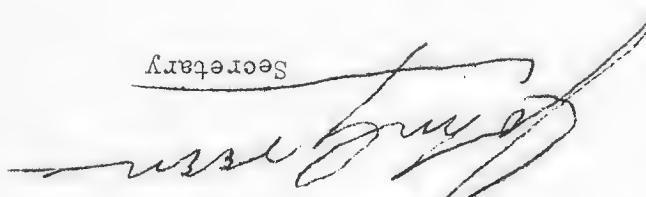
Very sincerely yours,

Wm Glasgow Bowling
Wm. Glasgow Bowling,
Dean.

	<i>Thallus primarius</i>	<i>Thallus persisterans</i>	<i>Thallus evanescens</i>
thallus	2-12 mm	1-4	130-200
cortex	160-300		30-40 by 5-6
Medullary	30-40		
hyphae	3-4		2-5 ⁺
Podetia	5-40 (55) mm		5-60
wall	0.5-4 μ m		
center	100-400 μ		160-300
	20-30		
med	2-5-4		
	indistinct		
axis	60-100		160-300
	under 5 μ		
apoth	3-8-4 mm		1-4 mm
Hypoth	pale		pale
glecium	40-50		40-45
Paraph	4-16 μ		1-1.5 ⁺
asci	tip clavate		tip clavate
asci	8-10		8-10
spores	3-15		3-12
	2.5-4		3-4
Spermatia	overconoid		overconoid
	2.5-3.5		190-380
	2.5-4.5		
			15-20
			4-6 (-8)
			0.5

pyx neglecta	chlorophora	posillum	funbimplex	prolifera
Prun th 2-5(-8) mm 240-320 μ	(2-)4-7(-15) mm 250-360	2-13 mm 500-600 μ		
cortex (40-)50-60	(30-)40-60	40-60		
medulla 2-5	4-5	5-6		
Podetial esorediate	granulose	esorediate	3-35 mm (2-4-6-9) mm	
cups	sorediate above		0.5-3	sorediate
stipes				
med cap				
apothecia			rad 2-12 mm	

Secretary


Sincerely yours,

Thanking you for your co-operation, I am,

The American Board of Ophthalmology would
greatly appreciate your publishing the enclosed notice
in one or several future issues listing the Board's
examinations.

Dear Doctor:

OFFICE OF THE SECRETARY
ROOM 1002, BEAUMONT MEDICAL BUILDING
3720 WASHINGTON BOULEVARD
ST. LOUIS, MISSOURI

American Board of Ophthalmology